

**Chikyū DAILY MORNING REPORT**

Mission No. : **CK13-04**

Exp. No. : **Exp 348**

Report No. : **125**

Site Name : **C0002** Hole Name : **C002ZP** Lat. **33° 18.0507'N** Long. **136° 38.8229'E** Report Date : **16/Jan/2014**  
 Depth : @24.00 **4932** mBRT **2964.5** mbsf (14.5') Progress : \_\_\_\_\_ m Seabed Depth : **1,967.5** mBRT \_\_\_\_\_ m RT-MSL : **28.5** m  
 Depth : @06.00 **4932** mBRT **2964.5** mbsf (14.5') Drilling/Coning/Underreaming Hrs. : **0.00** hrs LAST CASING : **13-3/8"** x **1,836.50** mbsf( 3,904.0 mBRT)  
 Summary of Operation on **15-Jan** : Wiper trip to 13-3/8 casing window. Wash and ream down to bottom.  
 Present Operation @ 06.00 on **16-Jan** : Continue circulation. POOH to 4465mBRT.  
 Time Breakdown ( 00:00 - 24:00 on **15-Jan** ) \_\_\_\_\_ mBRT: meter below rotary table  
 \_\_\_\_\_ mbsf: meter below sea floor

From	To	Hrs	Code	Detail of Operation
0:00	2:45	2:45	C&C	Continue circulate and bottoms up. 900gpm x 33MPa.
2:45	8:30	5:45	Trip	Pull string to 3896mBRT. HPS stall @4929mBRT while pump up (300gpm x 7.2MPa). Lower HPS and increase pump rate 450gpm x 12.5MPa, release HPS. Ream up 4928 to 4918mBRT. Pump and rotation to pull to 4918mBRT and rack back. POOH 4918 to 4807mBRT. Check drag of whole stand for POOH and RIH on elevator. POOH: 500kN OP @4912mBRT, 500kN OP @4893mBRT, 430kN OP @4875mBRT, 500kN OP @4868mBRT, normal drag 300kN while POOH. Normal drag reduced 200kN from 4867mBRT. Pump up from 4914-4882mBRT. RIH: Take weight 200kN at 4915mBRT. No excess drag passing through 13-3/8" CSG window.
8:30	14:15	5:45	W&R	Wiper trip from 3919 to 4500mBRT. 900gpm x 32.2-33.4MPa, no rotation. No excess drag was observed.
14:15	15:30	1:15	W&R	Wiper trip from 4500 to 4654mBRT. Ream stand to clear any excess drag and torque. 900gpm x 32.4-33.3MPa, 140rpm x 12-19kNm. No excessive torque nor WOB was taken.
15:30	19:15	3:45	W&R	Wiper trip from 4654 to 4896mBRT. Run string to stand down, ream up and down. 900gpm x 32.6-33.3MPa, 140rpm x 12-19kNm.
19:15	21:30	2:15	W&R	Took 160kN of WOB while running at 4893mBRT w/o pumping. (start take weight from 4893mBRT), engage to HPS, ream down to 4932mBRT. 900gpm x 32.8-33.6MPa, 140rpm x 12-35kNm. Tight spots: 4917 to 4922mBRT, 4926 to 4930mBRT. Ream tight spots several times to clean.
21:30	24:00	2:30	C&C	Circulate bottoms up to clean hole. Sweep 3 x 10m3 of hi-vis. 900gpm x 32.8-33.6MPa, 140rpm x 12-35kNm.
<p><b>Note:</b> Isolate conduit line due to leakage pressure. Inject glycol 20gal to BOP and 10gal to LMRP. Zea of piston of injection skid damaged. Repairing by rig welder. Sea current: Chikyū 0.2-2.8 knot. SW 5 miles 1.5-3.7 knot.</p>				

	Angle	Deg
LFJ	0	0
LMRP	130	0.5
BOP	180	0.5

Bulls eye reading @6:58

Top of Anderreamer cutter  
4.45m from bottom of bit.

From	To	Hrs	Code	Detail of Operation
0:00	3:30	3:30	C&C	Continue to circulate and bottoms up to clean hole. 900gpm x 32.3 - 33.5MPa, 140rpm x 11.6 - 35kN-m.
3:30	4:00	0:30	Trip	Spot 30m3 hi-vis. 900gpm x 32.9 - 33.7MPa.
4:00	6:00	2:00	Trip	POOH to 4465mBRT. Continued drag while POOH and RIH from 4921 to 4841mBRT w/o pumping.
<p><b>Note:</b> Sea current: Chikyū 2.6knot, SW 5miles 2.5knot @6:00.</p>				

Bit No.	Size (in)	MFR	Type	IADC Code	S.No.	Nozzles	Depth (mBRT)		Meter-age	Hrs.	WOB (kN)		rpm	Total Rev. (kern)	Dull Condition								
							From	To			Min.	Max.			Inner	Outer	Dull	Loc.	B	G	O.D.	RP	
No.9h	12.25"	NOV	DSH816D-42	14423	A162762	13x7 14x2	3919.00	4,932.00	1,013.0	9.19	0	50	140	42.0									
No.9h	14.5"	NOV	Anderreamer		1225-0131	8 x 1																	

**BHA Record**  
 No.9h 14-1/2" Underreamer Bit x bit sub x 14.5" Anderreamer x float sub (w/flaretype float) x 8-1/2" DC (1) x 12-3/16" Slab x 8-1/2" DC (1) x Drilling Jar x 8-1/2" DC (2) x XO x 5.68" HWDP (12) x XO  
 x 5" DP S-140 (67sids) x 5-1/2" DP S-140 (21sids) x XO x 5-1/2" DP S-150 (13sids) x XO x 5-6/8" DP Z-140

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St. (10 <sup>-10</sup> )	WL	Cake	pH	PI	Cl-	Sand	Oil	Solid	MBC	Temp (In/Out)	K+	n	K	LOG		
KNPP	2:00	4,932	1.32	152	55	76	15	24	2.5	0.5	11.0	0.2	120,700	0.2	0	15.0	2.25	11		37,200	0.51	5.60	2.7
KNPP	19:30	4,930	1.32	158	53	69	15	26	2.5	0.5	11.0	0.2	120,700	0.2	0	15.0	2.25	13		37,200	0.52	2.88	2.7
			Hvis	1.32	300	62	94	19	24	2.5	0.5	11.0								0.48	7.69		

Mud Pumps: 14-P-220 @ 49320.0 mBRT				5.00 gallon/stroke @97%				Personnel @24:00				Mud Materials on Board @24:00hrs					
No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)	DC	DP	Item	Received	Used	Stock	Item	Received	Used	Stock		
1	6"							COLEX				Barite (Bulk)			100,000		
2	6"	180	900	33.2	46	37		MOJ Crew			10	Kunigel-VO (Bulk)			10,800		
3	6"							MOJ (Sub sea & Hyd)			2	NaCl			10,000		
								Scientist			0	KCl			3,000		
								Telinite			2	Tel-Polymer DX / L / H			100/0/0	3380/1520/1300	
								Oscillating			6	XCD-Polymer				0	
								Schlumberger-CMT			3	Soda Ash				1,275	
								SLB WL			0	KOH				200	
								Geoservice			6	Clean Lube				600	0
								Velco			1	Tel Clean				0	
								Weatherford (CSG)			4	Bi-Carbonate				1,000	
								Mi-Swaco			4	Lime				1,240	
								NOV Anderreamer			1	Defoamer 30C				192	
								Baker (Liner Hanger)			2	Telinite GXL				162	
								GP Engineering (Mud Pump Repair)			1	NaOH				800	
								Total			156	Lignite NC				2,000	
												Tel Stop G / P				500 / 1,000 / 1,000	
												Tel Mica C / M / F				500 / 1,000 / 1,000	
												Tel Plug C / M / F				500 / 1,000 / 980	
												Tan Cal M / F / FF				4230 / 4500 / 0	
												EZ Spot				550	
												Speeder P / X				1700 / 1700	
												Baracor-100 (gal)				0	
												Ablax S				2,400	
												Treat HS				2,160	
												Karvis				1,000	
												Telinite OS-5				0	
												Telinite HEC				0	

Geologic Information				Shale Shaker				Materials Stock on Board @24:00								
From	To	Lithology of cuttings		No.1	#10, #230 x 2	No.4	#10, #230 x 2	No.1	5.00	Item	Unit	Received	Used	Stock		
				No.2	#10, #230 x 2	No.5	#10, #200 x 2	No.2	off	Fresh Water	m3	122.9	85.3	212.2		
				No.3	#10, #230 x 2	No.6	#10, #200 x 2	No.3	off	Potable Water	m3	0.0	8.9	248.5		
												Drill Water	m3	0.0	22.9	688.2
												Fuel	m3	0.0	60.8	2,190.6
												Lube Oil	Ltrs	0.0	500.0	40,700.0
												Heli Fuel	Ltrs	0.0	0.0	0.0
												Cement "GWC"	ton	0.0	0.0	0.0
												Cement "G"	ton	0.0	0.0	0.0

Boat Information @24:00				Weather Information			
Boat Name	Status	Time @Chikyū		Temp. (degC)	Barometer	Wind	Wave
		Departed	Arrived	Air	(hPa)	Speed (m/s)	Dir. (deg)
Kaiko	Current survey, SW 5miles			10.0	1023.1	13.1	33.0
Shinchou-maru	Shingu	2:40		10.0	1023.1	13.1	33.0
Hakuryu-maru	Chikyū			10.0	1023.1	13.1	33.0
				Speed (m/s)	Dir. (deg)	Gust (m/s)	Height (m)
				1.6	40	14.7	1.6
				Period (s)	Speed(knt)	Dir. (deg)	Visibility
				7.3	3.1	97	22.0

Today's Schedule: Continue POOH to surface. Rig up CSG handling tools.  
 Reported by : S. Yamada / D. Ikenomoto / T. Yokoyama  
 Approved by : T. Sanjashi

Hook Wt. (kern) @ 4,930.0 mBRT			
Hook Load			3,085
BHA			315
Below HWDP			200
Below Jar			250
Hook + HPS			730
Hook block			307
Jar Rotating time S/N: D-1046H			
Today	9:19	Total	0:00
Cutting skip @24:00			
Empty		Full	
28		4	32
ROV Status On deck 1/15/14			
Last Dive Injection Skid Repairing			
Hell Information			
Fit.	Time	Passenger	
No.	Arrived	Departed	Are. Dept.
1	8:04	8:15	4 6
2	10:10	10:19	8 8
3	12:28	12:35	6 4
4			
Safety (HSE) and other information			
Incident	Last Incident	13/Feb/2013	No. LTA
LTA			
HUNS cards	29		
Remarks			
Marine Information @24:00			
Heave (m)			0.3
Pitch (deg)			0.4
Roll (deg)			0.5
Vessel Heading (deg)			275
Riser Tension (kN)			9400
V.D. Load (Moon)			9727.7
Max Draught (m)			9.0
Thruster (kW)			3500